

## CLAIMS

What is claimed is:

- 1       1.     A seal system comprising:  
2             at least one dock pad, the at least one dock pad comprising:  
3                 a backing structure having a front portion and an opposing rear portion;  
4                 a first foam layer coupled to the rear portion of the backing structure to  
5             provide a seal between a building surface and the dock pad; and  
6                 a second foam layer coupled to the front portion of the backing structure  
7             to provide a seal between the dock pad and a vehicle.
- 1       2.     The seal system of claim 1, wherein the at least one dock pad further comprises a  
2         theft deterrence component to substantially enclose the second foam layer.
- 1       3.     The seal system of claim 2, wherein the theft deterrence component is a metal  
2         structure.
- 1       4.     The seal system of claim 2, wherein the theft deterrence component is a chain link  
2         fence.
- 1       5.     The seal system of claim 1, further comprising a removable cover that  
2         substantially covers exposed portions of the at least one dock pad.
- 1       6.     The seal system of claim 5, wherein the removable cover comprises at least one of  
2         Vinyl, Hypalon, and Neoprene.
- 1       7.     The seal system of claim 1, wherein at least one of the first and second foam  
2         layers is formed from flexible foam.
- 1       8.     The seal system of claim 1, wherein at least one of the first and second foam  
2         layers is formed from polyurethane foam.

1 9. The seal system of claim 1, wherein at least one of the first and second foam  
2 layers has a density of about 1-2 lb/ft<sup>3</sup>.

1 10. The seal system of claim 1, wherein at least one of the first and second foam  
2 layers has a compression factor of about 30 lb.

1 11. The seal system of claim 1, wherein at least one of the first and second foam  
2 layers has a resilience from about +180 F to about -50 F.

1 12. The seal system of claim 1, wherein at least one of the first and second foam  
2 layers is constructed of three-stage foam.

1 13. The seal system of claim 1, wherein the backing structure is constructed from  
2 steel.

1 14. The seal system of claim 1, further comprising at least one mounting bracket for  
2 coupling the at least one dock pad to the building, the mounting bracket having one long  
3 leg and two short legs.

1 15. The seal system of claim 14, wherein the two short legs have different lengths to  
2 provide clearance for a rib structure on the building surface.

1 16. The seal system of claim 14, wherein the at least one mounting bracket is  
2 adjustable via a slotted aperture.

1 17. The seal system of claim 1, wherein the at least one dock pad includes a plurality  
2 of pleats to mitigate abrasion on the at least one dock pad.

1 18. The seal system of claim 17, wherein the configuration of pleats depends on a  
2 type of exposure to the at least one dock pad.

1        19.     A seal system comprising:  
2                at least one dock pad, the at least one dock pad comprising:  
3                        a backing structure;  
4                        a foam layer secured to the backing structure; and  
5                        a theft deterrence component substantially covering at least one side of the  
6                foam layer.

1        20.     The seal system of claim 19, wherein the theft deterrence component is a chain  
2        link fence.

1        21.     The seal system of claim 19, wherein the theft deterrence component is secured to  
2        a first end portion of the backing structure, wrapped around the foam layer, and secured  
3        to a second end portion of the backing structure, such that the foam layer is substantially  
4        enclosed by the theft deterrence component.

1        22.     A seal system comprising:  
2                at least one dock pad having a backing structure and at least one foam layer; and  
3                a plurality of mounting brackets to secure the at least one dock pad to a building;  
4        wherein each of the mounting brackets forms a U-shaped channel having one long leg  
5        and two short legs, the two short legs having different lengths.

1        23.     The seal system of claim 22, wherein the long leg of the mounting brackets is  
2        secured to the building and the short legs are secured to the backing structure.

1        24.     The seal system of claim 22, wherein the mounting brackets are manufactured  
2        from 6 to 20 gauge steel.

1        25.     The seal system of claim 22, wherein each of the mounting brackets includes a  
2        slot formed therein for adjustability.

1        26.    A seal system comprising:  
2                means for providing a substantially air tight seal between a dock pad and a  
3 building surface;  
4                means for providing a seal between the dock pad and a rear portion of a vehicle;  
5 and  
6                means for providing rigidity to the dock pad.

1        27.    The seal system of claim 26, further comprising means for deterring theft.